

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

A PORTION OF

THE SUBDIVISIONAL LINES

OF

TOWNSHIP 26 SOUTH, RANGE 22 EAST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Scott A. Burkhardt
Cadastral Surveyor

Under Special Instructions dated and approved ***September 2, 2014***, which provided for the surveys included under Group Number ***1266***, and Assignment Instructions dated ***September 2, 2014***.

Survey Commenced, ***September 3, 2014***
Survey Completed, ***October 23, 2014***

INDEX DIAGRAM

Township 26 South, Range 22 East, Salt Lake Meridian, Utah

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	3 24
30	29	28	27	26	25
31	32	33	34	35	36

TOWNSHIP 26 SOUTH, RANGE 22 EAST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines of T.26S., R.22E., Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

Surveyed by	Retr. or Resurveyed by
SOUTH BOUNDARY	
Portion F.E. Baxter	1894
	1911 S.P. Stewart & E.H. Anderson 1911
EAST BOUNDARY	
Portion F.E. Baxter	1894
Portion H.D. Page	1902
WEST BOUNDARY	
Portion F. Dickert	1878
Portion E. Buettner	1880
Portion J.W. Dougall, etal.	1912 J.W. Dougall, etal. 1912
Portion	C.F. Moore, etal. 1926
Portion	R.A. Zaninovich 1984
NORTH BOUNDARY (Fifth Standard Parallel South)	
All F. Dickert	1878
All	S.P. Stewart & E.H. Anderson 1911
Portion	R.A. Zaninovich 1984
Portion	S.A Burkhardt (concurrent) 2014
SUBDIVISION	
Portion F. Dickert	1878
Portion E. Buettner	1880
Portion F.E. Baxter	1894
Portion J.W. Dougall, etal.	1912 J.W. Dougall, etal. 1912
Portion	K.F. Hansen 1955
Portion	C.P. Sylvester 1963
Portion	R.A. Zaninovich 1984
Portion	J.L. Thomas 1998
Portion	S.A Burkhardt (concurrent) 2014

TOWNSHIP 26 SOUTH, RANGE 22 EAST, SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 1266, dated September 2, 2014.

The direction of the lines was determined by references to true meridian, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards for the Positional Accuracy of Cadastral Surveys When Using Global Navigation Satellite Systems (GNSS)*, dated February 23, 2009. Trimble model R8 GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) software was the primary software utilized for project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and a search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from GPS static observations, post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): DH6916 MC04 MESA CNTY04 COOP CORS ARP, DI3419 P012 MONTICELLOUT2006 CORS ARP, and DH6914 MC03 MESA CNTY 03 COOP CORS ARP.

The geographic position of the corner of sections 23, 24, 25, and 26, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **38°31'11.190" N.**,
 Longitude: **109°27'35.770" W.**, N.A.D. 83 (2011), EPOCH: 2010.00
 Network Accuracy = 0.200 meter at 95% confidence.

The geographic position of the corner of sections 13, 14, 23, and 24, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **38°32'03.642" N.**,
 Longitude: **109°27'35.698" W.**, N.A.D. 83 (2011), EPOCH: 2010.00
 Network Accuracy = 0.200 meter at 95% confidence

RETRACEMENT OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 26 SOUTH, RANGE 22 EAST, SALT LAKE MERIDIAN, UTAH

Retracement of a Portion of the Subdivisional Lines
Township 26 South, Range 22 East, Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
J.W. Dougall, etal. in 1912

Beginning at the corner of sections 23, 24, 25, and 26, monumented with an iron post, 2 inches diameter, firmly set, projecting 13 inches above the ground, with brass cap marked as described in the official record of the 1912 survey.

From which the 1912 bearing tree

A juniper, 27 inches diameter, bears S. 63°37' E., 347 links distance, marked T26S R22E S25 BT.

Corner is located on a gentle, north slope, with scattered juniper trees and grasses.

N. 0°03.1' E., between sections 23 and 24.

- 40.030** The 1/4 section corner of sections 23 and 24, monumented with an iron post, 1 inch diameter, firmly set, projecting 9 inches above the ground, with brass cap marked as described in the official record of the 1912 survey.

Corner is located on a gentle, north slope, with scattered juniper trees and grasses.

N. 0°04.4' E., beginning new measurement.

- 40.388** The corner of sections 13, 14, 23, and 24, determined from the 1912 bearing trees

A pinon tree, 14 inches diameter, dead and down, but root crown intact in the ground, bears S. 72°17' W. (1912 record: bears S. 72° W.), 365.0 links distance, marked T26S R22E S23 BT.

A pinon tree, 15 inches diameter, dead and down, location determined at root was void, bears N. 39°28' W. (1912 record: bears N. 39°35' W.), 443.0 links distance, with no marks remaining.

Find 1912 iron post, 2 inches diameter, 3 feet long, lying loose nearby, with brass cap marked as described in the official record of the 1912 survey.

At the corner point (distance/distance intersection from the 1912 bearing trees)

RETRACEMENT OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 26 SOUTH, RANGE 22 EAST, SALT LAKE MERIDIAN, UTAH

Set a brass tablet, 3 1/4 inches diameter, with 3 1/2 inches stem, flush with sandstone, in epoxy bond, with magnet at base, into a drill hole on solid rock, marked

T26S	R22E
S14	S13
S23	S24

2014

Bury 1912 iron post alongside the corner in rock crack, southwest of tablet.

Corner is located on a gentle west-facing slope, on top of a small knoll of sandstone bedrock, approximately 20 feet high.

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FIELD ASSISTANTS

Name	Capacity
Phil Freiberg	Survey Technician

CERTIFICATE OF SURVEY

I, *Scott A. Burkhardt, Cadastral Surveyor*, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the *2nd day of September, 2014*, I have *dependently resurveyed a portion of the subdivisional lines, in Township 26 South, Range 22 East*, of the *Salt Lake Meridian*, in the State of *Utah*, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions of the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

March 25, 2016

Date

Scott A. Burkhardt

Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The following field notes of the *dependent resurvey of a portion of the subdivisional lines, in Township 26 South, Range 22 East, Salt Lake Meridian, Utah*, executed by *Scott A. Burkhardt, Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

March 29, 2016

Date

Daniel W. Webb

Chief Cadastral Surveyor for Utah